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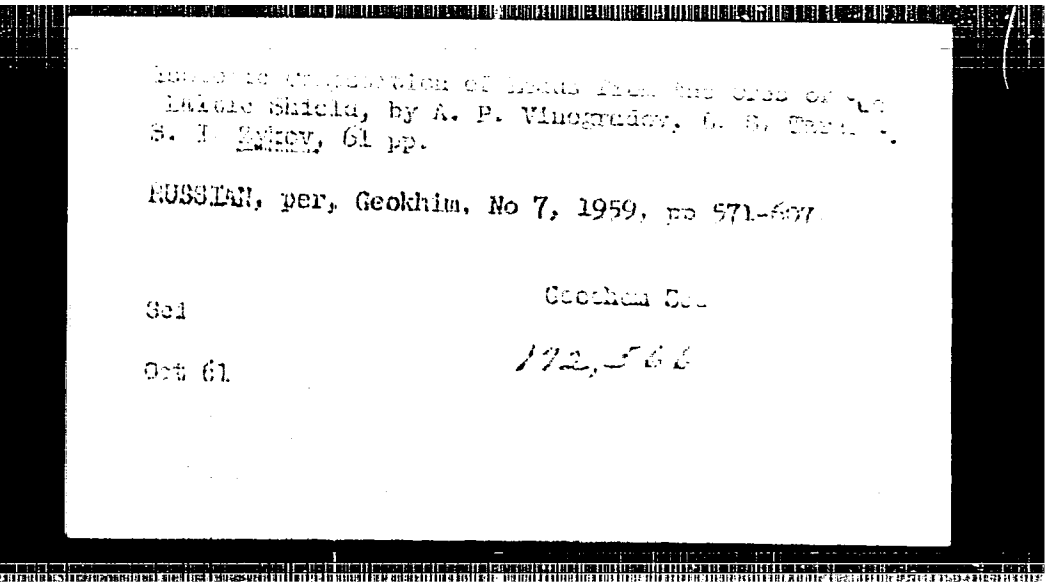

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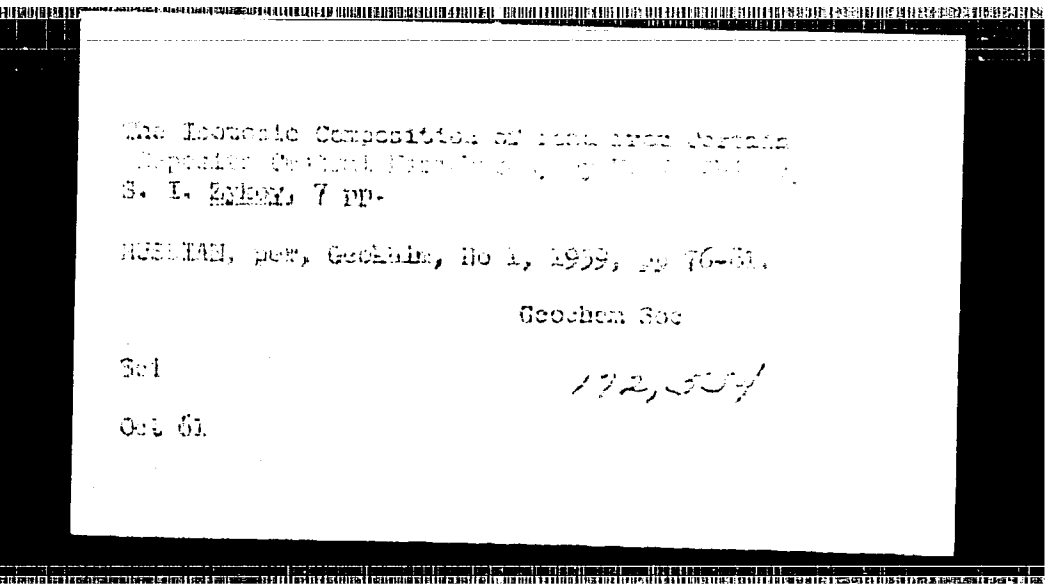

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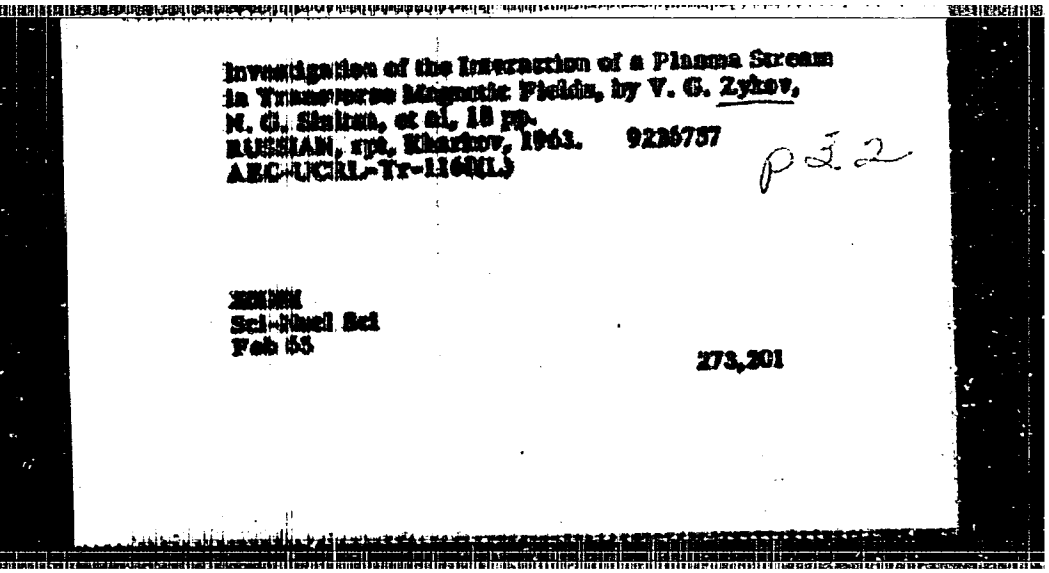

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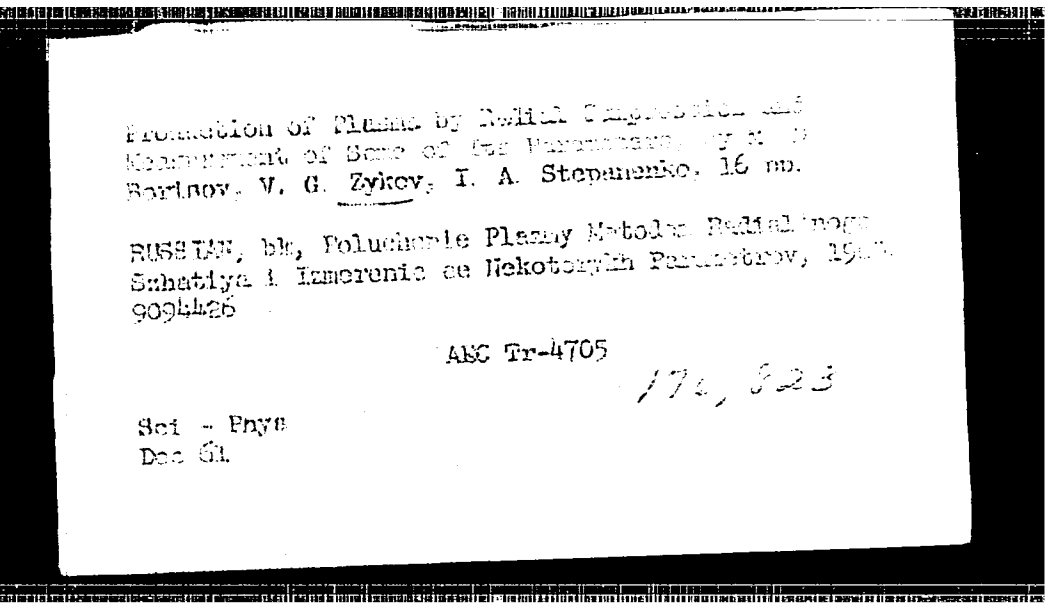

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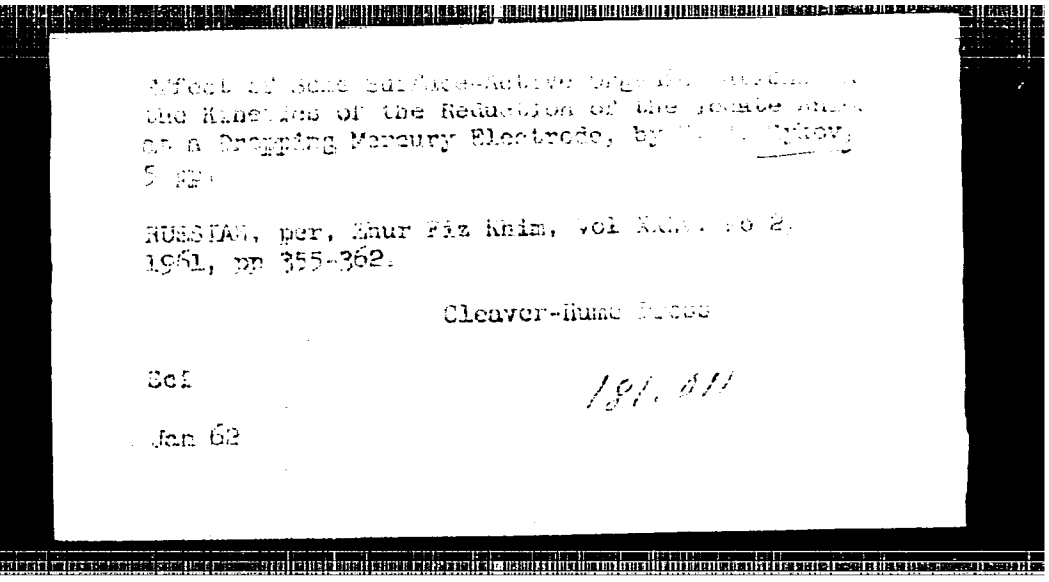

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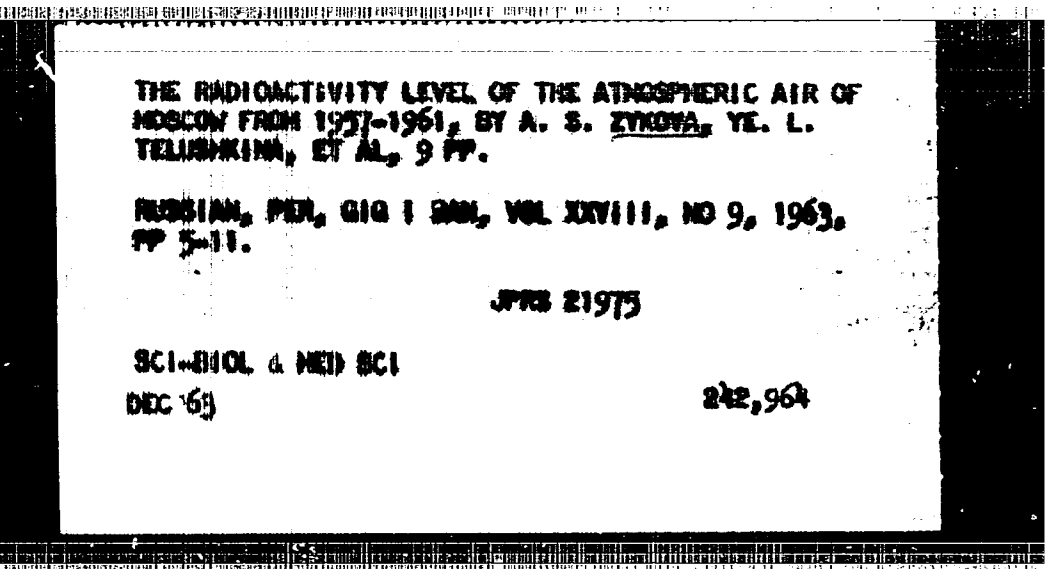

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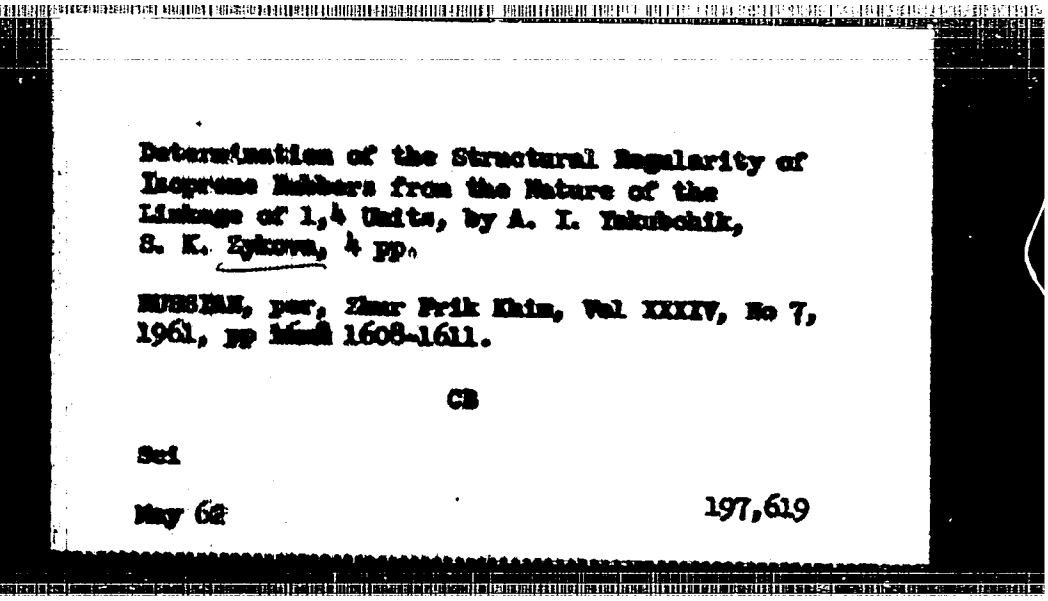

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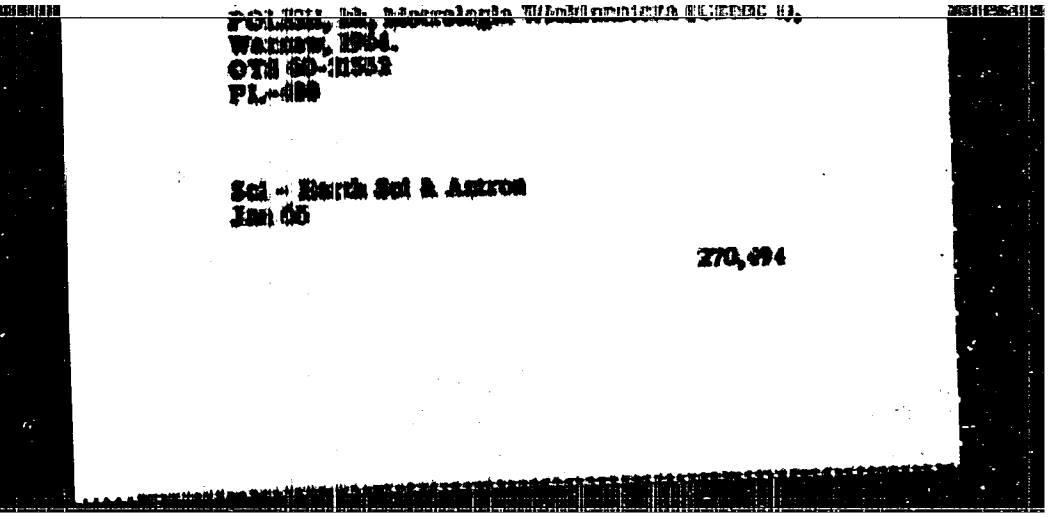

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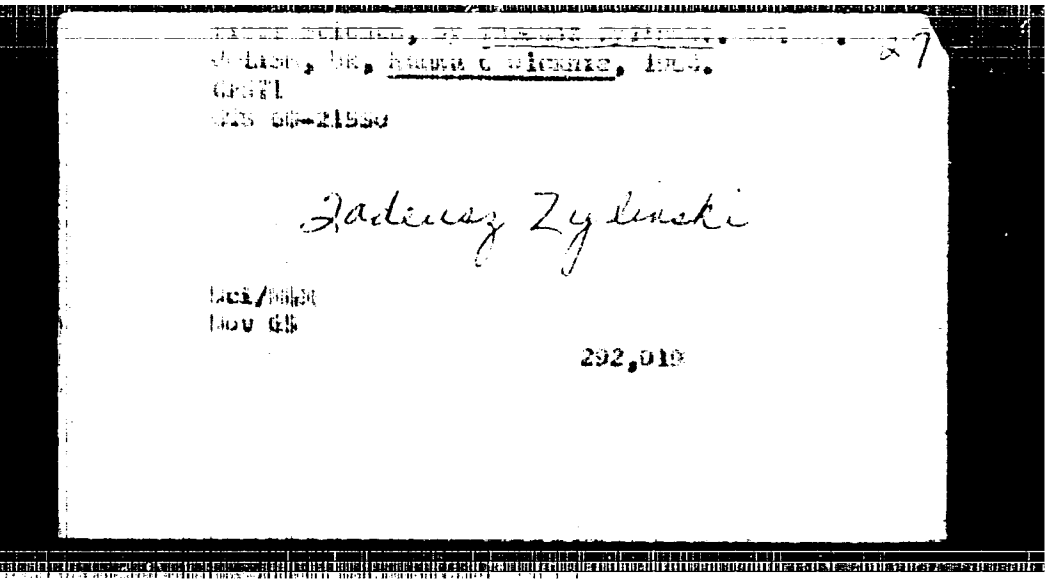

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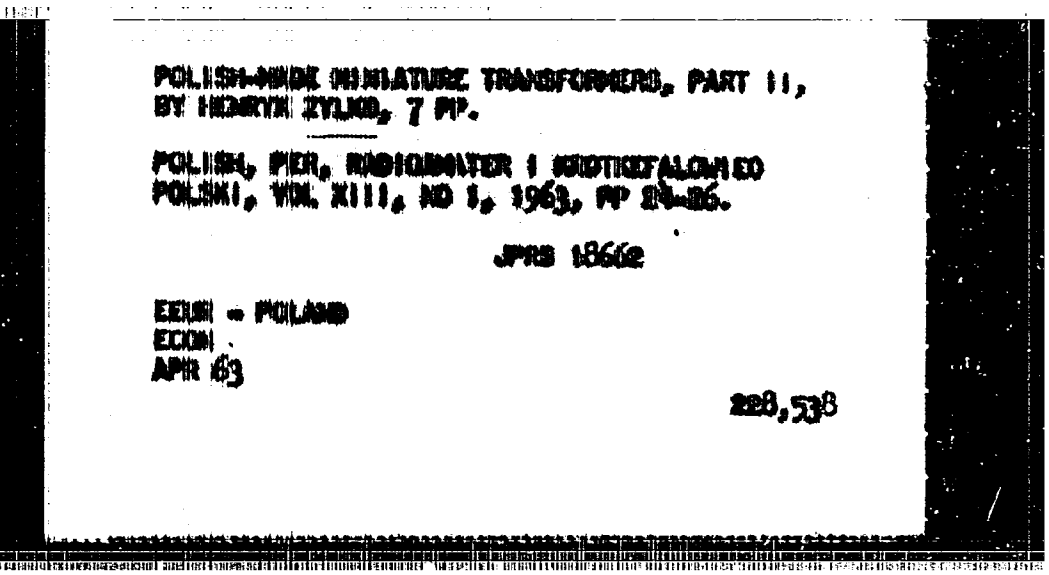

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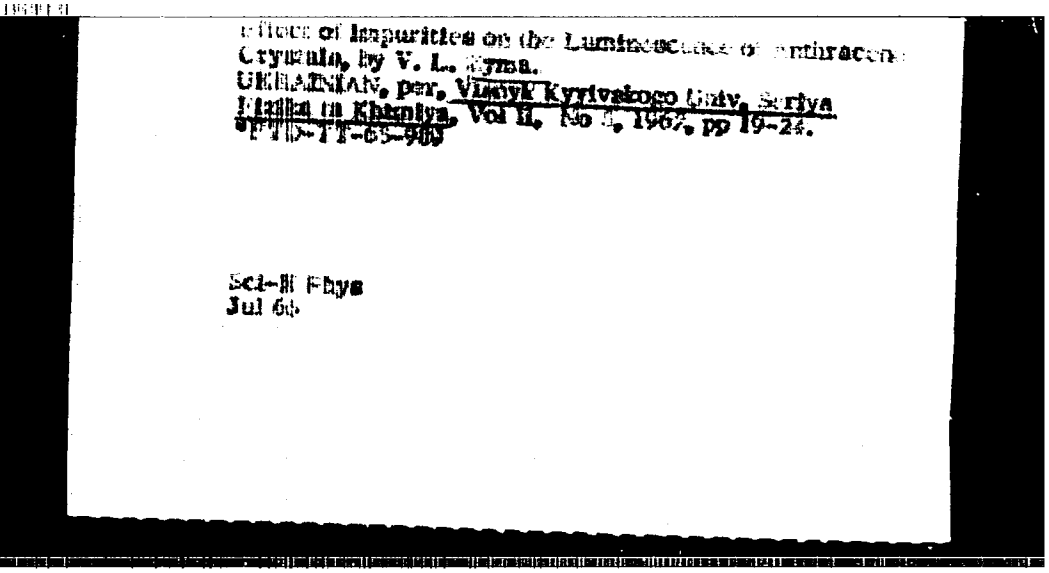

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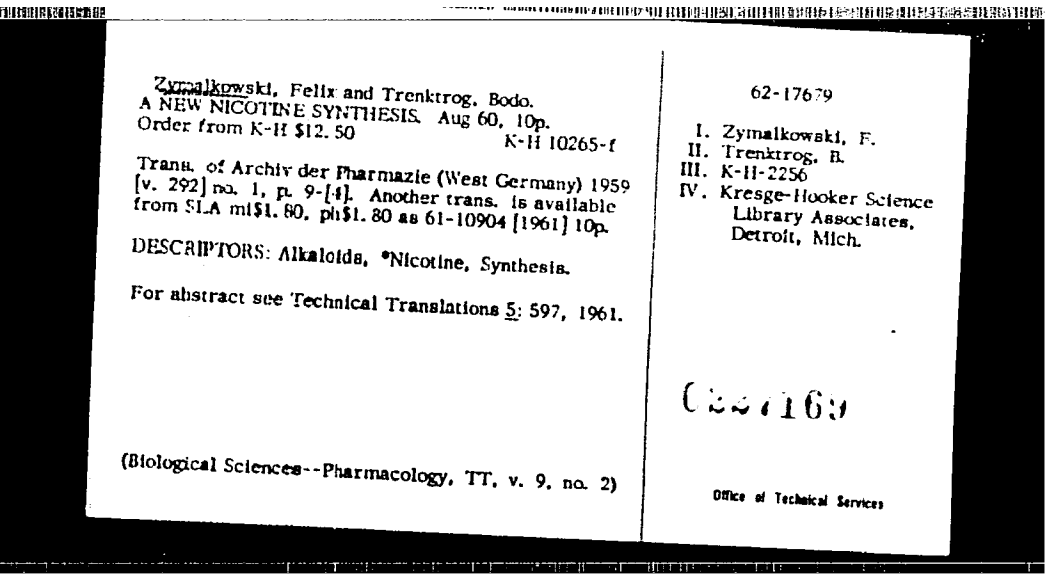

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DESCRIPTORS: Alkaloids, *Nicotine, Synthesis.

For abstract see Technical Translations 5: 597, 1961.

(Biological Sciences--Pharmacology, TT, v. 9, no. 2)

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A NEW NICOTINE SYNTHESIS. [1961] 10p. 8 refs.
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The preparation is described of nicotine by working through nornicotine, similar to the Craig synthesis, which makes the second main alkaloid of tobacco available in a new and more favorable manner.

(Biological Sciences--Pharmacology, TT, v. 5, no. 11)

61-10904

1. Alkaloids--Synthesis
2. Nicotine--Synthesis
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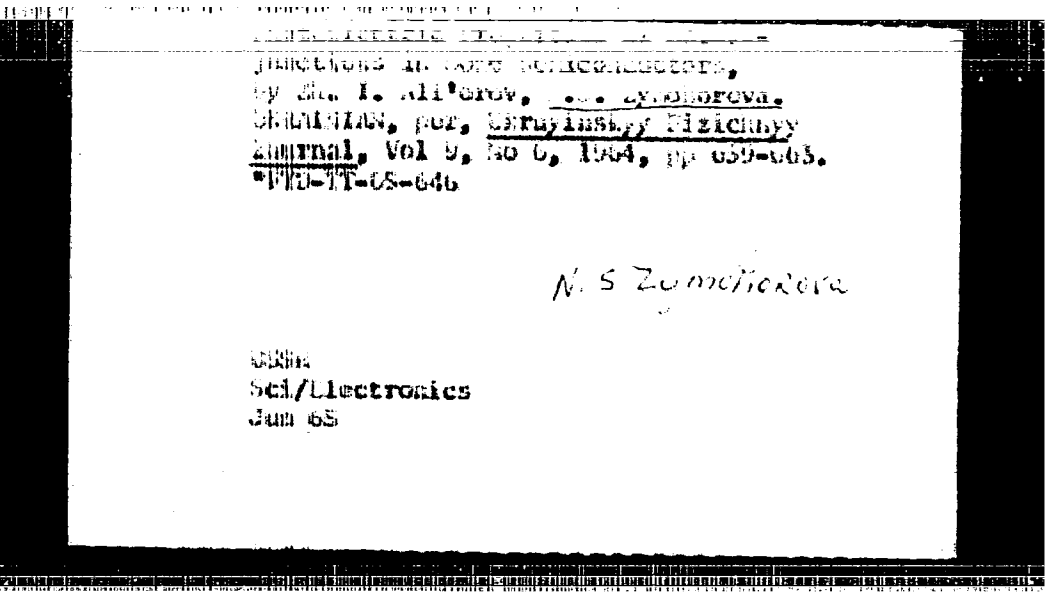

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DESCRIPTORS: *Cellulose acetates, Synthetic fibers, Chemical bonds, Processing, Urea derivatives, Chemical reactions.

For the purpose of obtaining acetate fibers containing uniform bridge bonds, a bridge-forming agent was added to the spinning bath and spinning experiments were conducted. Some tests were also made on the changes in the form of the fibers produced in the spinning process and into some physical properties of the fibers obtained. Tetramethylene bisethylene urea was added, as bridge-
(Materials--Textiles, TT, v. 6, no. 5) (over)

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II. Murase, R.
III. Title: Study...

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Trans. of Sen'i Kogyo Shikensho Iho (Japan) 1958, no. 45, p. 99-105.

DESCRIPTORS: *Cellulose acetates, Synthetic fibers, Processing, Chemical bonds, Physical properties, Imides, Chemical reactions.

By adding to the spinning bath for cellulose acetate the acetone-soluble ethylene imine derivative, thionophosphoric triethylene imide, as bridge-forming agent, spinning, and then heat treating, a uniform bridge-formation among the molecules was attained. The fiber showed an increase of about 50% in strength. The strength-elongation curve and the elasticity properties
(Materials--Textiles, TT, v. 6, no. 5) (over)

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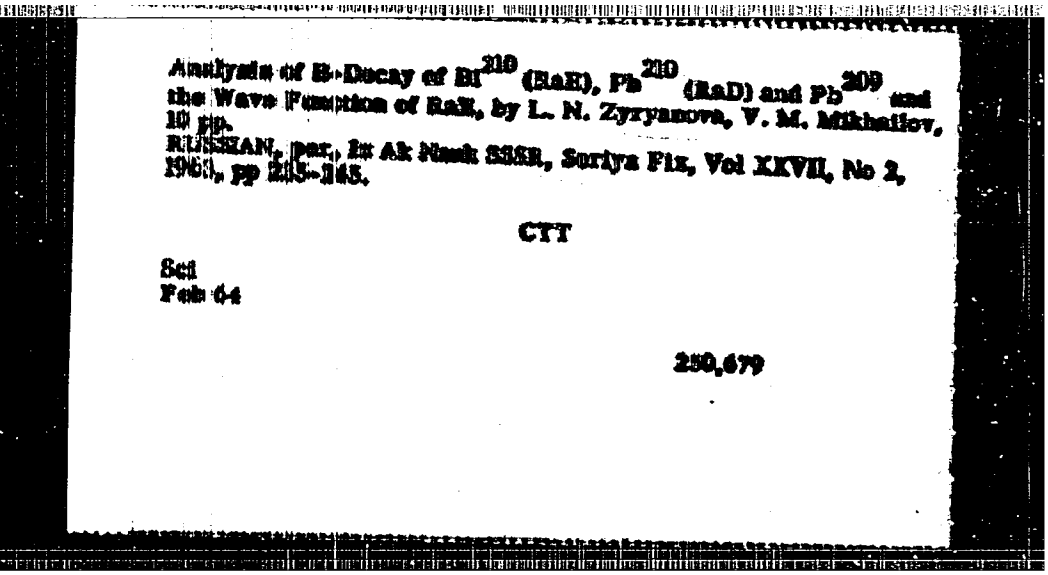

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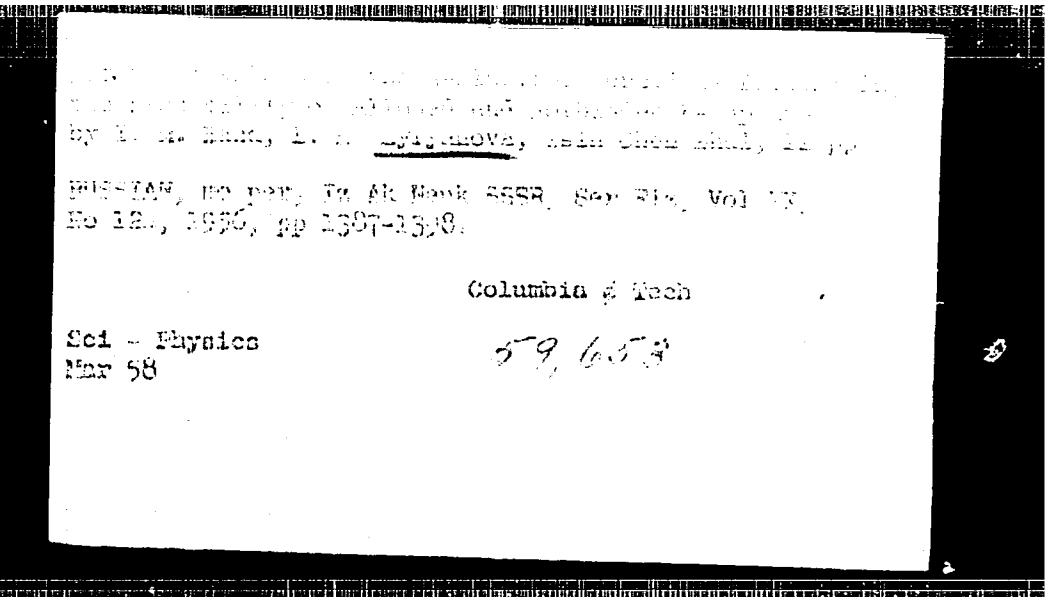

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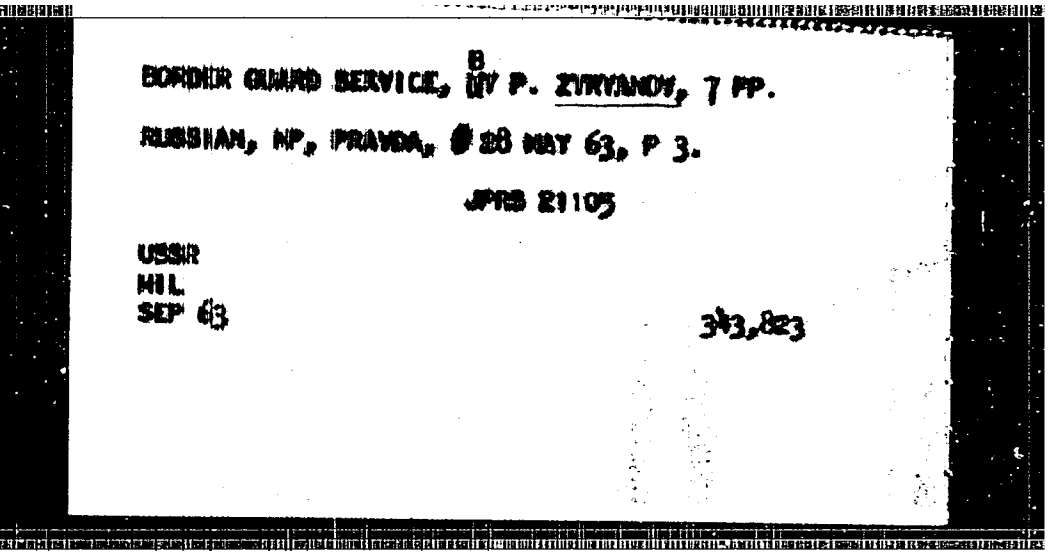

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